

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|--|--------------------------|-------------------------|
| Substitute for form 1449/PTO | | Complete If Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Application Number | 10/562,602 |
| | | Filing Date | December 28, 2005 |
| | | First Named Inventor | Briggs, John R., et al. |
| | | Art Unit | Not Assigned |
| | | Examiner Name | Not Assigned |
| | | Attorney Docket Number | 62213A |

MAY 09 2006

U. S. PATENT DOCUMENTS

| | | | |
|-----------------------|----------------------|--------------------|------------|
| Examiner Signature | /Sikarl Witherspoon/ | Date Considered | 04/25/2007 |
|-----------------------|----------------------|--------------------|------------|

¹Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST.16 if possible. ⁷Applicant is to place a check mark here if English language Translation is attached.

This document contains information as provided by 37 CFR 1.82 and 1.83. The information is provided to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the

USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for

Patent, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 10/27/2013. GPO 2007-090.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|---|--------------------------|-------------------------|
| Substitute for form 1449/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Application Number | 10/562,602 |
| | | Filing Date | December 28, 2005 |
| | | First Names Inventor | Briggs, John R., et al. |
| | | Art Unit | Not Assigned |
| | | Examiner Name | Not Assigned |
| Sheet | 2 | Of | 3 |
| | | Attorney Docket Number | 62213A |

FOREIGN PATENT DOCUMENTS

| | | | |
|-----------------------|----------------------|--------------------|------------|
| Examiner Signature | /Sikarl Witherspoon/ | Date Considered | 04/25/2007 |
|-----------------------|----------------------|--------------------|------------|

¹Examiner: initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁷Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application.

Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the

USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief

DO NOT FEE THIS FORM WILL VARY DEPENDING UPON THE APPLICANT'S CASE. ANY COMMENTS OR THE LENGTH OF TIME YOU REQUIRE TO COMPLETE THIS FORM AND/OR SUGGESTIONS FOR REDUCING THIS DURATION, SHOULD BE SENT TO THE CHIEF INFORMATION OFFICER, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use as many sheets as necessary)

Sheet 3 of 3

Complete if Known

| | |
|------------------------|-------------------------|
| Application Number | 10/562,602 |
| Filing Date | December 28, 2005 |
| First Named Inventor | Briggs, John R., et al. |
| Art Unit | Not Assigned |
| Examiner Name | Not Assigned |
| Attorney Docket Number | 62213A |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. 1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁸ |
|--------------------|------------|---|--------------------------|
| /S.W./ | | A. BENYEI et al., "The Effect of Phosphonium Salt Formation on the Kinetics of Homogeneous Hydrogenations in Water Utilizing a Rhodium Meta-Sulfonatophenyl-Diphenylphosphine Complex", <i>Journal of Molecular Catalysis</i> , (1993) 84, 157-163 | <input type="checkbox"/> |
| | | MALCOLM A. SHAW et al., "Addition Reactions of Tertiary Phosphorus Compounds with Electrophilic Olefins and Acetylenes," <i>Topics in Phosphorus Chemistry</i> , (1972) 7, 1-35 | <input type="checkbox"/> |
| | | WM. A. HENDERSON, JR. et al., "The Nucleophilicity of Phosphines", <i>Journal of the American Chemical Society</i> , (1960) 82, 5794-5800 | <input type="checkbox"/> |
| | | CHADWICK A. TOLMAN, "Steric Effects of Phosphorus Ligands in Organometallic Chemistry and Homogeneous Catalysis," <i>Chemical Reviews</i> , (1977) 77(3), 313-348 | <input type="checkbox"/> |
| | | MD. MATIUR RAHMAN, et al., "Separation of Phosphorus (III) Ligands into Pure σ -Donors and σ -Donor/ π -Acceptors: Comparison of Basicity and σ -Donicity ^{1*} ", <i>Organometallics</i> , (1989) 8(1), 1-7 | <input type="checkbox"/> |
| | | WM. A. HENDERSON, JR. et al., "The Basicity of Phosphines", <i>Journal of the American Chemical Society</i> , (1960) 82, 5791-5794 | <input type="checkbox"/> |
| V | | TIM ALLMAN et al., "The Basicity of Phosphines", <i>Canadian Journal of Chemistry</i> (1982) 60(6), 716-722 | <input type="checkbox"/> |
| /S.W./ | | FENTON, et al., "Influence of Poles and Polar Linkings on the Course Pursued by Elimination Reactions. Part V. The Mechanism of Thermal Decomposition of Quaternary Phosphonium Hydroxides," <i>Journal of the Chemical Society, Part 2</i> , (1929), 2342-2357 | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |

| | | | |
|--------------------|----------------------|-----------------|------------|
| Examiner Signature | /Sikarl Witherspoon/ | Date Considered | 04/25/2007 |
|--------------------|----------------------|-----------------|------------|

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (option). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|---|--------------------------|-------------------------|
| Substitute for form 1449/PTO | | Complete If Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use as many sheets as necessary)</small> | | Application Number | 10/562,602 |
| | | Filing Date | December 28, 2005 |
| | | First Named Inventor | Briggs, John R., et al. |
| | | Art Unit | Not Assigned |
| | | Examiner Name | Not Assigned |
| | | Attorney Docket Number | 62213A |
| Sheet | 1 | of | 2 |

JUN 1
1968

U. S. PATENT DOCUMENTS

| | | | |
|-----------------------|----------------------|--------------------|------------|
| Examiner Signature | /Sikarj Witherspoon/ | Date Considered | 04/25/2007 |
|-----------------------|----------------------|--------------------|------------|

¹Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁷Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.87 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application or document by the appropriate symbols as indicated on the document under 37 CFR 1.87 if it is present. Appendix A is placed on each mark and is a single page. Translation is not required.

This collection of information is required by 37 CFR 1.57 and 1.58. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 33 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

| | |
|------------------------|-------------------------|
| Application Number | 10/562,602 |
| Filing Date | December 28, 2005 |
| First Named Inventor | Briggs, John R., et al. |
| Art Unit | Unknown |
| Examiner Name | Unknown |
| Attorney Docket Number | 62213A |

NON PATENT LITERATURE DOCUMENTS

| | | | |
|-----------------------|----------------------|--------------------|------------|
| Examiner Signature | /Sikarl Witherspoon/ | Date Considered | 04/25/2007 |
|-----------------------|----------------------|--------------------|------------|

¹Applicant's unique citation designation number (option). ²Applicant is to place a check mark here in English language Translation is attached.

This collection of information is required at 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.